

93385927
IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Douglas Aircraft Company, Attn: Rob Tuell C6-59 19503 South Normandle Avenue, Torrance, CA 90502		C AD 086510005		85927	A. State Manifest Document Number 93385927
4. Generator's Phone ((310) 533- 7926 or (310) 533- 7231		5. Transporter 1 Company Name IT Corporation		6. US EPA ID Number C A D 0 0 0 0 5 7 7 6 0	B. State Generator's ID H A H Q 36005698
7. Transporter 2 Company Name FALCON DISPOSAL SERVICE		8. US EPA ID Number C A D D 0 0 0 4 8 9 3 4		9. Designated Facility Name and Site Address Appropriate Technologies, Inc. 1700 Maxwell Road Chula Vista, CA 91911	C. State Transporter's ID 433865
10. US EPA ID Number C A T 0 8 0 0 1 0 1 0 1		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RQ, Waste oxidizing substances, solid, corrosive, n.o.s., 5.1, UN3085, PG III (D001)		12. Containers No. 002 DM	D. Transporter's Phone (310) 830- 1781
13. Total Quantity 00605		14. Unit P		E. State Transporter's ID 423252	F. Transporter's Phone (310) 633-9400
15. Waste Number State 181 EPA/Other D001		16. State EPA/Other		G. State Facility's ID	
17. State EPA/Other		18. State EPA/Other		H. Facility's Phone 619-421-1175	
J. Additional Descriptions for Materials Listed Above 11a. 38420 Kolene.		K. Handling Codes for Wastes Listed Above a. b. c. d.		19. Special Handling Instructions and Additional Information 24 Hour emergency telephone number (800) 424- 9300 (Chemtrec). DOT ERG# 11a) 42	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Robert G. Tuell, Jr.		Signature Robert G. Tuell, Jr.		Month Day Year 08 11 94	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JUAN ARMENTA ROBERTO		Signature JUAN ARMENTA ROBERTO		Month Day Year 08 11 94	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID BECKER		Signature David Becker		Month Day Year 08 11 94	
19. Discrepancy Indication Space 11a. Rejected all 2 drums, waste non-conforming to profile 8/12/94 Roguel Y. Pando					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name		Signature		Month Day Year	

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4. Generator's Phone (310) 533- 7926 or (310) 533- 7231		6. US EPA ID Number		A. State Manifest Document Number 93385927	
5. Transporter 1 Company Name IT Corporation		C A D 0 0 0 0 5 7 7 6 0		B. State Generator's ID H A H Q 3 6 0 0 5 6 9 8	
7. Transporter 2 Company Name FALCON DISPOSAL SERVICE		8. US EPA ID Number C A D D 0 0 0 9 4 8 9 3 1 7		C. State Transporter's ID 433865	
9. Designated Facility Name and Site Address Appropriate Technologies, Inc. 1700 Maxwell Road Chula Vista, CA 91911		10. US EPA ID Number C A T 0 8 0 0 1 0 1 0 1		D. Transporter's Phone (310) 830- 1781	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. Waste oxidizing substances, solid, corrosive, n.o.s., 5.1, UN3085, PG III (D001)		12. Containers No. Type 002 DM		13. Total Quantity 00605	14. Unit P
b.					I. Waste Number State 181 EPA/Other D001
c.					State EPA/Other
d.					State EPA/Other
J. Additional Descriptions for Materials Listed Above 11a. 38420 Kolene.		K. Handling Codes for Wastes Listed Above a. b. c. d.			
15. Special Handling Instructions and Additional Information 24 Hour emergency telephone number (800) 424- 9300 (Chemtreco). DOT ERG# 11a) 42					
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18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID BECKER		Signature David Becker		Month Day Year 08 11 94	
19. Discrepancy Indication Space 11c. Rejected all 2 dms, waste non-conforming to profile 8/12/94 Roguel J. Pando					
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4. Generator's Phone ((310) 533-7926 or (310) 533-7231		6. US EPA ID Number		B. State Generator's ID HAHQ36005698	
5. Transporter 1 Company Name IT Corporation		7. Transporter 2 Company Name FALCON DISPOSAL SERVICE		C. State Transporter's ID 433865	
9. Designated Facility Name and Site Address Appropriate Technologies, Inc. 1700 Maxwell Road Chula Vista, CA 91911		8. US EPA ID Number CAT080010101		D. Transporter's Phone (310) 830-1781	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. Waste oxidizing substances, solid, corrosive, n.o.s., 5.1, UN3085, PG III (D001)		12. Containers No. Type 002 DM		13. Total Quantity 00605	
b.				14. Unit Wt/Vol P	
c.				I. Waste Number State (11)	
d.				EPA/Other D001	
J. Additional Descriptions for Materials Listed Above 11a. 30420 Kelene		K. Handling Codes for Wastes Listed Above a. b. c. d.		State EPA/Other	
15. Special Handling Instructions and Additional Information 24 Hour emergency telephone number (800) 424-9300 (Chemtrec). DOT ERG# 11a) 42					
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4. Generator's Phone ((310) 533-7926 or (310) 533-7231			B. State Generator's ID HAHQ36005698		
5. Transporter 1 Company Name IT Corporation			C. State Transporter's ID 433865		
6. US EPA ID Number CAAD0000057760			D. Transporter's Phone (310) 830-1781		
7. Transporter 2 Company Name FALCON DISPOSAL SERVICE			E. State Transporter's ID 423252		
8. US EPA ID Number CAAD000048934			F. Transporter's Phone (310) 633-7400		
9. Designated Facility Name and Site Address Appropriate Technologies, Inc. 1700 Maxwell Road Chula Vista, CA 91911			G. State Facility's ID CA0800010101		
10. US EPA ID Number CA0800010101			H. Facility's Phone 619-421-1175		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number State EPA/Other
a. Waste oxidizing substances, solid, corrosive, n.o.s., 5.1, UN3085, PG III (D001)		002 DM	00605	P	181 D001
b.					State EPA/Other
c.					State EPA/Other
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18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID BECKER		Signature David Becker		Month Day Year 08/11/94	
19. Discrepancy Indication Space No. Rejected all 2 dms, waste non-comforming to manifest 3/12/94					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day Year	

DO NOT WRITE BELOW THIS LINE.

WHEN COMPLETING THIS FORM REFER TO 40 CFR, PART 262, APPENDIX AND CCR, TITLE 22, DIVISION 4.5, CHAPTER 12, APPENDIX

INSTRUCTIONS FOR GENERATORS

- Item 1. Generator's U.S. EPA ID Number—Manifest Document Number:** Enter the generator's U.S. EPA 12-digit identification number. The five-digit space to the right can be used for your own internal tracking system. A number there is not required.
- Item 2. Page 1 of _____:** Enter the total number of pages used to complete the Manifest plus the number of Continuation Sheets, if any.
- Item 3. Generator's Name and Mailing Address:** Enter the name and mailing address of the generator. The address should be the location that will manage the returned Manifest forms.
- Item 4. Generator's Phone Number:** Enter a telephone number where an authorized agent of the generator may be reached in the event of an emergency.
- Item 5. Transporter 1 Company Name:** Enter the company name of the first transporter who will transport the waste.
- Item 6. U.S. EPA ID Number:** Enter the U.S. EPA 12-digit identification number of the first transporter identified in Item 5.
- Item 7. Transporter 2 Company Name:** If applicable, enter the company name of the second transporter who will transport the waste. If more than two transporters are used to transport the waste, use a Continuation Sheet(s) and list the transporters in the order they will be transporting the waste.
- Item 8. U.S. EPA ID Number:** If applicable, enter the U.S. EPA 12-digit identification number of the second transporter identified in Item 7.
- Item 9. Designated Facility Name and Site Address:** Enter the company name and site address of the facility designated to receive the waste listed on this Manifest. The address must be the site address which may differ from the company mailing address.
- Item 10. U.S. EPA ID Number:** Enter the U.S. EPA 12-digit identification number of the designated facility identified in Item 9.
- Item 11. U.S. DOT Description:** Enter the U.S. DOT Proper Shipping Name, Hazard Class, and ID Number (UN/NA) for each waste as identified in 49 CFR 171 through 177. For non-RCRA hazardous wastes, describe per instructions in the Appendix to Chapter 12, Title 22, California Code of Regulations, Division 4.5.
- Item 12. Containers (No. and Type):** Enter the number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

Table I—Types of Containers

DM = Metal drums, barrels, kegs	TP = Tanks, portable
DW = Wooden drums, barrels, kegs	TT = Cargo tanks (tank trucks)
DF = Fiberboard or plastic drums, barrels, kegs	TC = Tank cars
CW = Wooden boxes, cartons, cases	DT = Dump truck
CF = Fiber or plastic boxes, cartons, cases	CY = Cylinders
BA = Burlap, cloth, paper, or plastic bags	CM = Metal boxes, cartons, cases (including roll-offs)

- Item 13. Total Quantity:** Enter the total quantity of waste described on each line.
- Item 14. Unit (Wt./Vol.):** Enter the appropriate abbreviation from Table II (below) for the unit of measure.

Table II—Units of Measure

G = Gallons (liquids only)	Y = Cubic yards	M = Metric tons (1,000 kg)
P = Pounds	L = Liters (liquids only)	
T = Tons (2,000 lbs.)	K = Kilograms	N = Cubic meters

Item 15. Special Handling Instructions and Additional Information: Generators may use this space to indicate special transportation, treatment, storage, or disposal information or Bill of Lading information. For international shipments, generators must enter in this space the point of departure (City and State) for those shipments destined for treatment, storage, or disposal outside the jurisdiction of the United States.

Item 16. Generator's Certification: The generator must read, sign (by hand), and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) inserted in the space below. If another mode in addition to the highway mode is used, enter the appropriate additional mode (e.g., and rail) in the space below.

INSTRUCTIONS FOR TRANSPORTERS

- Item 17. Transporter 1 Acknowledgement of Receipt of Materials:** Enter the name of the person accepting the waste on behalf of the first transporter. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.
- Item 18. Transporter 2 Acknowledgement of Receipt of Materials:** Enter, if applicable, the name of the person accepting the waste on behalf of the second transporter. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.
- Note—International Shipments—Transporter Responsibilities:** Exports—Transporters must sign and enter the date the waste left the U.S. in Item 15, and for RCRA hazardous waste exports, must ensure the waste is accompanied by an EPA Acknowledgement of Consent. Imports: RCRA hazardous waste shipments which are transported into the U.S. from a foreign country must be accompanied by a Manifest, non-RCRA hazardous waste shipments transported from a foreign country into or through California must also be accompanied by a Manifest. Transporters who transport any hazardous waste into the U.S. from abroad must assume generator responsibilities for completion of the Manifest [(40 CFR 263.10(c)(1))].
- Item 19. Discrepancy Indication Space:** Refer to California Title 22, Section 66264.72 and 66265.12; 40 CFR 264.72 and 265.72 for help in completing this part. In this space you must note any significant discrepancy between the waste described on the Manifest and the waste you actually received. If you cannot resolve significant discrepancy within 15 days of receiving the waste, you must submit a letter to your DTSC Regional Administrator describing the discrepancy and your attempts to reconcile it. A copy of the Manifest at issue must be enclosed with the letter.
- Item 20. Facility Owner or Operator:** Certification of Receipt of Hazardous Materials Covered by This Manifest Except as Noted in Item 19. Print or type the name of the person accepting the waste on behalf of the owner or operator of the facility. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

INSTRUCTIONS FOR OWNERS OR OPERATORS OF TREATMENT, STORAGE, OR DISPOSAL FACILITIES

CALIFORNIA REQUIRED ITEMS

- Generators to Enter:**
- B. If you will be paying the disposal taxes due under Section 25174 of the Health and Safety Code directly to the Board of Equalization (Board), enter your Hazardous Waste Fee Account number, issued by the Board for paying the taxes due under this section. This account number is a 12-character number beginning with HA or HY. Other Board numbers you may hold are not valid for this purpose. Any person willfully falsifying or misusing their account number to evade or defeat the payment of the taxes is guilty of a felony. If you do not have an account number and are subject to these taxes, you should contact the Board at (916) 322-9477, Monday through Friday, between 8 a.m. and 4 p.m.
- C. Enter the certificate of compliance number of the first vehicle used to transport the hazardous waste.
- E. If applicable, enter the certificate of compliance number of the vehicle used by Transporter 2, to transport the hazardous waste.
- I. Enter the California waste category number. Select appropriate number from Table III. Review entire table before selecting a number. For RCRA waste(s), enter the EPA's hazardous waste code from 40 CFR 261.30-33. To obtain federal assistance, call 800-424-9346 between 8:30 a.m. and 4:30 p.m., Eastern time.
- J. Enter chemical composition for each waste category. List components corresponding to the waste category entered.
- TSDF Operator to Enter:**
- G. Enter EPA ID number.
- K. Enter waste handling code(s). Select appropriate code(s) from Table IV.

California Restricted Waste

711. Liquids with cyanides $\geq 1,000$ Mg./L	725. Liquids with mercury ≥ 20 Mg./L	741. Liquids with halogenated organic compounds $\geq 1,000$ Mg./L
721. Liquids with arsenic ≥ 500 Mg./L	726. Liquids with nickel ≥ 134 Mg./L	751. Solids or sludges with halogenated organic compounds $\geq 1,000$ Mg./Kg.
722. Liquids with cadmium ≥ 100 Mg./L	727. Liquids with selenium ≥ 100 Mg./L	791. Liquids with pH ≤ 2
723. Liquids with chromium (VI) ≥ 500 Mg./L	728. Liquids with thallium ≥ 130 Mg./L	792. Liquids with pH ≤ 2 with metals
724. Liquids with lead ≥ 500 Mg./L	731. Liquids with polychlorinated biphenyls ≥ 50 Mg./L	801. Waste potentially containing Dioxins

California Nonrestricted wastes

Inorganics	Organics	Sludges
121. Alkaline solution (pH ≥ 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)	211. Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)	411. Alum and gypsum sludge
122. Alkaline solution without metals pH ≥ 12.5	212. Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)	421. Lime sludge
123. Unspecified alkaline solution	213. Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)	431. Phosphate sludge
131. Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)	214. Unspecified solvent mixture	441. Sulfur sludge
132. Aqueous solution with metals (< restricted levels and see 121)	221. Waste oil and mixed oil	451. Degreasing sludge
133. Aqueous solution with total organic residues 10 percent or more	222. Oil/water separation sludge	461. Paint sludge
134. Aqueous solution with total organic residues less than 10 percent	223. Unspecified oil-containing waste	471. Paper sludge/pulp
135. Unspecified aqueous solution	231. Pesticide rinse water	481. Tetraethyl lead sludge
141. Off-specification, aged, or surplus inorganics	232. Pesticides and other waste associated with pesticide production	491. Unspecified sludge waste
151. Asbestos-containing waste	241. Tank bottom waste	
161. Fluid Catalytic Cracker waste	251. Still bottoms with halogenated organics	
162. Other spent catalyst	252. Other still bottom waste	
171. Metal sludge (see 121)	261. Polychlorinated biphenyls and material containing PCBs	
172. Metal dust (see 121) and machining waste	271. Organic monomer waste (includes unreacted resins)	
181. Other inorganic solid waste	272. Polymeric resin waste	
	281. Adhesives	
	291. Latex waste	
	311. Pharmaceutical waste	
	321. Sewage sludge	
	322. Biological waste other than sewage sludge	
	331. Off-specification, aged, or surplus organics	
	341. Organic liquids (nonsolvents) with halogens	
	342. Organic liquids with metals (see 121)	
	343. Unspecified organic liquid mixture	
	351. Organic solids with halogens	
	352. Other organic solids	
		Miscellaneous
		511. Empty pesticide containers 30 gallons or more
		512. Other empty containers 30 gallons or more
		513. Empty containers less than 30 gallons
		521. Drilling mud
		531. Chemical toilet waste
		541. Photochemicals/photoprocessing waste
		551. Laboratory waste chemicals
		561. Detergent and soap
		571. Fly ash, bottom ash, and retort ash
		581. Gas scrubber waste
		591. Baghouse waste
		611. Contaminated soil from site clean-ups
		612. Household wastes
		613. Auto shredder waste

Table IV

01. Recycle	03. Landfill	06. Surface Impoundment	14. Transfer Station	16. Treatment Pond (excludes evaporation)
02. Injection Well	04. Land Application	07. Thermal Treatment (includes incineration)	15. Tank Treatment	99. Other

POTENTIAL HAZARDS**HEALTH HAZARDS**

Poisonous if swallowed.
Inhalation of dust poisonous.
Contact may cause burns to skin and eyes.
Fire may produce irritating or poisonous gases.
Runoff from fire control or dilution water may cause pollution.

FIRE OR EXPLOSION

May burn rapidly.
May ignite other combustible materials (wood, paper, oil, etc.).
These materials will accelerate burning when they are involved in a fire; some will react violently with fuels.

EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry.
Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.

CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.

If water pollution occurs, notify the appropriate authorities.

FIRE

Small Fires: Water only; no dry chemical, CO2 or Halon.

Large Fires: Flood fire area with water from a distance.

Move container from fire area if you can do it without risk.

Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks.

For massive fire in cargo area, use unmanned hose holder or monitor nozzles.

SPILL OR LEAK

Do not touch or walk through spilled material.

Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

Large Spills: Dike far ahead of liquid spill for later disposal.

FIRST AID

Move victim to fresh air; call emergency medical care.

In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.

Remove and isolate contaminated clothing and shoes at the site.

APPROPRIATE TECHNOLOGIES, INC.

LAND DISPOSAL RESTRICTION NOTIFICATION

INSTRUCTIONS: Complete Part I. Check and complete Part II or Part III. Complete and sign Part IV. You need only return pages 1-3 unless instructed to also return Attachment I and/or II as indicated on page 1. Do not return Attachment 3.

PART I: Generator Profile and Manifest Information

1. Generator Name: DOUGLAS AIRCRAFT COMPANY EPA ID #: CAD086510005
2. Address: 19503 SOUTH NORMANDIE AVE
3. City: TORRANCE State: CA Zip: 90502
4. Profile Number: _____ Manifest #: 85927-93385927
5. EPA Waste Codes (list ALL codes for this stream and all relevant subcategories — see page 2 of this form):
D001

6. This stream is (check one) a _____ wastewater (<1% total organic carbon and <1% total suspended solids) ☒ nonwastewater.
Some exceptions exist to this definition, please consult your Greenfield Customer Service Representative for details.

PART II: Wastes Subject to Land Disposal Restrictions (If the waste is non-RCRA, non-hazardous or a "newly listed waste" identified in Part III below, complete Part III rather than Part II.)

☒ Pursuant to 40 CFR 268.7, I am notifying Appropriate Technologies, Inc. that under the above profile number and manifest number, I am shipping to you a waste identified by the EPA waste code(s) and subcategory(ies) listed in Part I above, which is subject to the EPA Land Disposal Restrictions, as checked below.

- A. Check line 1, 2, 3 and / or 4 as applicable
1. Treatment standards, as I have indicated in Attachment I, which I am enclosing for F001: _____ F002: _____ F003: _____ F004: _____ F005: _____
 2. Numerical treatment standard(s) specified in 40 CFR 268.41(a) (Table CCWE), per Attachment III.
 - ☒ 3. Treatment standard(s) expressed as specified technology(ies) in 40 CFR 268.42(a), for which the required technology, per Attachment III, is _____ INCIN: ☒ DEACT: _____ ADGAS fb NEUTR: _____ IMERC: _____ STABL: _____ RTHRM: _____ RMERC: _____ RLEAD: _____ NLDBR: NO F039
 4. Numerical treatment standard(s) specified in 40 CFR 268.43(a) (Table CCW), per Attachment III.
- B. Also check one or more of the following lines as applicable.
5. A D001-D011 waste which (a) _____ does (b) _____ does not meet the definition of a "California List" waste (see definition below). If (a), I have also checked the "California List" section of Attachment I, which I am enclosing.
 6. Treatment standard(s) with a "capacity variance" until _____ 199____, per Attachment III, as I have checked on the enclosed Attachment II. The waste (a) _____ does (b) _____ does not meet the definition of a "California List" waste (see definition below). If (a), I have also checked the "California List" section of Attachment I, which I am enclosing.
 7. A nickel, thallium, or HOC "California List" waste (see definition below). I have checked the "California List" section of Attachment I, which I am enclosing.
 8. A specific extension or variance (other than a "capacity variance"), as I have checked on Line E or F of Attachment II, which I am enclosing.
 9. The waste already meets all relevant treatment standards. I have signed the required certification page of Attachment II, which I am enclosing.

PART III: Wastes currently NOT subject to Land Disposal Restrictions

Pursuant to 40 CFR 268.7, I am notifying Appropriate Technologies, Inc. that, under the above profile number and manifest number, I am shipping to you a waste which is non-RCRA, non-hazardous, or identified by the EPA waste code(s) listed in Part I above. The waste is not currently subject to EPA Land Disposal Restrictions because the waste is non-RCRA, non-hazardous, or consists only of one or more of the following EPA waste codes listed since November 8, 1984; D018-43, K064-66, K088, K090-91, K117-18, K123-26, K131-32, K136, U328, U353, U359.

PART IV: Authorized Representative

Signature: Robert G. Tuell, Jr. Date: 08-11-94
Print or Type Name: Robert G. Tuell, Jr.
Title: Senior Plant Engineer

NOTE: A "California List" waste is (a) a hazardous waste containing Halogenated Organic Compounds (HOC) at a concentration ≥ 1000 mg/kg or mg/l, or (b) a liquid hazardous waste (including free liquids) having a pH ≤ 2.0 and/or containing any of the following materials at a concentration \geq that specified: PCBs, 50 ppm; or (in mg/l) free cyanides, 1000; As, 500; Cd, 100; Cr, 500; Pb, 500; Hg, 20; Ni, 134; Se, 100; Tl, 130.

TREATMENT SUBCATEGORIES

EPA WASTE CODE	SUBCATEGORIES	COMMENT
D001	Ignitable liquids \geq 10% TOC Ignitable liquids $<$ 10% TOC Ignitable compressed gases Ignitable reactives Oxidizer	Per 261.21 (a)(1) Per 261.21 (a)(1) Per 261.21 (a)(3) Per 261.21 (a)(2) Per 261.21 (a)(4)
D002	Steel corrosives Alkaline Acid	SAE 1020 steel corrosion rate \geq 0.25 inch/year Per 262.22 (a)(1) Per 262.22 (a)(1)
D003	Explosives Water reactives Reactive sulfides Reactive cyanides Other reactives	Per 261.23 (a)(6), (7), (8) Per 261.23 (a)(2), (3), (4) Per 261.23 (a)(5) Per 261.23 (a)(1), (4) Per 261.23 (a)(1)
D006	Cadmium-containing batteries Other	
D008	Lead acid batteries Other	
D009	Low mercury High mercury High mercury, containing organics (not incinerator residues) High mercury, containing inorganics (including incinerator or RMERC residues)	$<$ 260 mg/kg Hg \geq 260 mg/kg Hg \geq 260 mg/kg Hg \geq 260 mg/kg Hg
F001-F005(WW)	Pharmaceutical Non-Pharmaceutical	
K006(NWW)	Anhydrous Hydrated	
K046	Reactive Non-Reactive	
F025	Light ends Spent filters / aids & dessicants	
K061(NWW)	Low Zinc High Zinc	$<$ 15% total zinc \geq 15% total zinc
K069(NWW)	Calcium sulfate Non-calcium sulfate	
K071	Low mercury High mercury	$<$ 16 mg/kg Hg \geq 16 mg/kg Hg
K106	Low mercury High mercury	$<$ 260 mg/kg Hg \geq 260 mg/kg Hg
P065	Low mercury — residues from RMERC Low mercury — residues from incineration Mercury fulminate, High mercury — incinerator or RMERC residues Mercury fulminate, nonwastewaters — not incinerator or RMERC residues	Original P065 $<$ 260 mg/kg Hg Original P065 $<$ 260 mg/kg Hg \geq 260 mg/kg Hg
P092	Low mercury — residues from RMERC Low mercury — residues from incineration Phenyl mercury acetate, high mercury incinerator or RMERC residues Phenyl mercury acetate, nonwastewaters not incinerator or RMERC residues	Original P092 $<$ 260 mg/kg Hg Original P092 $<$ 260 mg/kg Hg \geq 260 mg/kg
U151	High Mercury Low mercury — residues from RMERC Low mercury — residues from incineration	\geq 260 mg/kg Hg Original U151 $<$ 260 mg/kg Hg $<$ 260 mg/kg Hg

NOTE: TOC = total organic carbon: RMERC = mercury retorting: WW = wastewater: NWW = non-wastewater

APPROPRIATE TECHNOLOGIES, INC.
CALIFORNIA LAND DISPOSAL RESTRICTION NOTIFICATION

PART I: Generator Information.

GENERATOR NAME DOUGLAS AIRCRAFT Company
CAD 086 510 ⁰⁰⁵ ~~005~~ ⁰⁸⁻¹¹⁻⁹⁴ 93385427
EPA ID # _____ MANIFEST # _____ PROFILE # _____

The waste(s) identified on the above referenced manifest and bearing the California waste number(s) identified below is subject to the Land Disposal Restrictions of CCR, Title 22, Chapter 30.

PART II: Waste Identification.

California waste number(s) 181

Check the appropriate lines. (More than one line may apply.)

- ☒ 1. RCRA regulated waste
- _____ 2. Non-RCRA metal-containing aqueous waste identified on CCR, Title 22, 67702(b) (1).
- _____ 3. PCB wastes identified in CCR, Title 22, 67702(b) (2). (Not acceptable at APTEC)
- _____ 4. Non-RCRA metal-containing solid waste identified in CCR, Title 22, 67702(b) (7).
Prohibition effective date May 8, 1992.
- _____ 5. Non-RCRA aqueous and liquid waste containing any organic compound identified by EPA Test Methods 8080, 8140, 8150, 8240, and/or 8270. Prohibition effective date May 8, 1992.
(Reference CCR, Title 22, 67702 (b)(10).)
- _____ 6. Non-RCRA solid waste containing any organic compound identified by EPA Test Methods 8080, 8140, 8150, 8240, and/or 8270. Prohibition effective date May 8, 1992. (Reference CCR, Title 22, 67702 (b)(11).)
- _____ 7. Other Non-RCRA, California regulated waste, category includes lab packs, California extremely small quantity generators, and household hazardous waste exempted in the Health and Safety Code Section 25179.9.

PART III: Handling Method.

Check the appropriate lines. (More than one line may apply.)

- ☒ 1. The RCRA waste identified above must be handled in accordance with the attached EPA LAND DISPOSAL RESTRICTION NOTIFICATION.
- _____ 2. The waste identified above must be treated to meet the applicable standards in CCR, Title 22, Division 4, Chapter 30, Article 41.
- _____ 3. The waste identified above meets the applicable treatment standard.
"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in CCR Title 22, Division 4, Chapter 30, Article 41. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."
- _____ 4. The waste identified above is subject to a variance. The expiration date of the variance is indicated in the WASTE IDENTIFICATION section above.
- _____ 5. The Non-RCRA waste identified above is not currently restricted from land disposal.

PART IV: Generator Certification.

I hereby certify that all information supplied above and on all associated documents is true, complete and accurate to the best of my knowledge and that no omissions or errors exist.

Signature Robert G. Tuell, Jr. Date: 08-11-94
Print or Type Name: Robert G. Tuell, Jr.
Title: Senior Plant Engineer

ATTACHMENT I

ADDITIONAL NOTIFICATION FOR F001-F005, AND CALIFORNIA LIST WASTES

For Part II, Line 1 of the LDR Notification (F001-F005)

This waste must be treated to meet the following treatment standards (check the appropriate line):

_____ F001 _____ F002 _____ F003 _____ F004 _____ F005

WASTE CODE	REGULATED HAZARDOUS CONSTITUENT	WASTEWATERS CONCENTRATION (mg/l)	NONWASTEWATERS CONCENTRATION (mg/l)
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TABLE CCWE

F001-F005
spent solvents

Acetone	0.05	0.59
n-Butyl alcohol	5.0	5.0
Carbon disulfide	1.05	4.81
Carbon tetrachloride	0.05	0.96
Chlorobenzene	0.15	0.05
Cresols (and cresylic acid)	2.82	0.75
Cyclohexanone	0.125	0.75
1,2 — Dichlorobenzene	0.65	0.125
Ethyl acetate	0.05	0.75
Ethyl benzene	0.05	0.053
Ethyl ether	0.05	0.75
Isobutanol	5.0	5.0
Methanol	0.25	0.75
Methylene chloride	0.2	0.96
Methyl ethyl ketone	0.05	0.76
Methyl isobutyl ketone	0.05	0.33
Nitrobenzene	0.66	0.125
Pyridine	1.12	0.33
Tetrachloroethylene	0.079	0.05
Toluene	1.12	0.33
1,1,1, — Trichlorethane	1.05	0.41
1,1,2, — Trichloro-		
1,2,2, — Trifluoroethane	1.05	0.96
Trichloroethylene	0.062	0.091
Trichlorofluoromethane	0.05	0.96
Xylene	0.05	0.15

TABLE CCW

F001-F005
spent solvents

1,1,2, Trichloroethane	0.030	7.80
Benzene	0.070	3.70
Methylene chloride	0.44	NA

F001-F005
spent solvents
(Pharmaceutical
Industry Wastewater
Subcategory)

REQUIRED METHOD

F005	2-Nitropropane	INCIN	INCIN
F005	2-Ethoxyethanol	INCIN	INCIN

For Part II, Line 5, 6, or 7 of the LDR Notification (California List)

This waste must be treated as indicated below if it is (a) a D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, or subject to a "capacity variance" — and meets the definition of a "California List" waste; or (b) a liquid hazardous waste ≥ 50 ppm PCBs, or ≥ 134 mg/l Ni, or ≥ 130 mg/l Tl. Check the appropriate line below:

- _____ HOC ≥ 1000 ppm; incinerate
- _____ liquid, PCB ≥ 50 ppm; incinerate (Not acceptable at APTEC)
- _____ liquid, pH ≤ 2 : Neutralize
- _____ liquid, free cyanides ≥ 1000 ppm: *
- _____ liquid, As ≥ 500 mg/l: *
- _____ liquid, Cd ≥ 100 mg/l: *
- _____ liquid, Cr ≥ 500 mg/l: *
- _____ liquid, Pb ≥ 500 mg/l: *
- _____ liquid, Hg ≥ 20 mg/l: *
- _____ liquid, Ni ≥ 134 mg/l: *
- _____ liquid, Se ≥ 100 mg/l: *
- _____ liquid, Tl ≥ 130 mg/l: *

* Treat to below California List concentration, or to non-liquid form.

ATTACHMENT II EXTENSIONS, VARIANCES, EXCEPTIONS

For Part II, Line B-6 of the Notification Form This waste is (check one):

- _____ A. Soil or debris contaminated with waste specified in 268.34 for which the treatment standard is based on incineration per Attachment III variance valid until June 8, 1991.
- _____ B. Soil or debris contaminated with wastes specified in 268.35 for which the treatment standard is based on incineration, mercury retorting, vitrification or wet-air oxidation, per Attachment III (variance valid until May 8, 1992).
- _____ C. A waste specified in 268.35 (a) — per Attachment III _____ NWW _____ WW
- _____ D. A waste specified in 268.35 (c) — per Attachment III — (variance valid until May 8, 1992) _____ NWW _____ WW.
- NOTE: NWW = Nonwastewater and WW = Wastewater.

For Part II, Line B-8 of the Notification Form. This waste is:

- _____ E. Subject to a case-by-case extension, pursuant to 40 CFR 268.5, granted by _____ on _____
(attach copy)
- _____ F. Subject to a treatability variance, pursuant to 40 CFR 268.44, granted by _____ on _____
(attach copy)

For generators or treaters who have checked Part II, Line B-9 of the Notification Form:

Instructions: Check Line 1, 2, or 3 below. If checking Line 1 or 2 below, attach supporting analytical results. If checking Line 2, and if appropriate, also check Line 4. Sign and date below.

1. **For generators** who have determined that their waste meets treatment standards (268.7(a)(2)(ii):

_____ I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

2. **For treatment facilities** which have treated the waste so that it meets the required numerical treatment standards (268.7(b)(5)(i):

_____ I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

If the certification in Line 2 above is based in whole or part on the "analytical detection limit alternative" (268.3(c), check the following certification.

_____ I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater (NWW) organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart 0 or Part 265 Subpart 0, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

3. **For treatment facilities** which have treated the waste with the required treatment technology specified in 268.42 (certification per 268.7(b)(5)(ii):

_____ I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

AUTHORIZED REPRESENTATIVE

Signature: Robert G. Tuell, Jr. Date: 08-11-94

Print or Type Name: Robert G. Tuell, Jr.

Title: Senior Plant Engineer